

AMENDMENTS TO THE CLAIMS

The following represents a complete listing of the claims in this application indicating the present status of each, including any amendments sought to be entered at this time. Any claims that have been canceled or withdrawn have been canceled or withdrawn without prejudice or disclaimer of any subject matter therein. The applicants specifically reserve the right to pursue any and all such claims in continuing and/or divisional applications. In this paper, claims 49-59 have been canceled.

Listing of the claims:

1-45(canceled).

46(previously presented). A disposal system for a skin-worn transdermal patch device containing residual amounts of an opioid substance after use thereof on a patient, said system comprising:

- (a) a disposable container separate from and independent of said skin-worn patch device and having an opening therein for receiving a skin-worn patch device containing a residual amount of an opioid analgesic substance therein;
- (b) an amount of deactivating material including an amount of an activated carbon in said container for deactivating said residual opioid substance in said

patch device on contact, wherein said container is configured such that insertion of said skin-worn patch device properly oriented into said container causes said abusable substance in said skin-worn patch device to contact said deactivating material; and

- (c) closure device for closing said disposable container thereby capturing said skin-worn patch device.

47(previously presented). A system as in claim 46 wherein said opioid includes fentanyl.

48(previously presented). A system as in claim 46 wherein a portion of said deactivating material contains an amount of an agent selected from antagonists, irritants and mixtures thereof.

49-58(canceled).

59(previously presented). A system as in claim 46 wherein said deactivating material comprises:

- (a) carbon in an activated state in a quantity sufficient to bind said opioid in said patch, and
- (b) carbon that contains an amount of an incorporated species selected from the group consisting of irritating agents, antagonist agents and combinations thereof; and

- (c) wherein said species is released from the carbon of (b) upon an attempt to solvent extract said opioid from the carbon of (a).

60 (currently amended). A disposal system for a skin-worn transdermal patch device containing residual amount of an abusable substance after use thereof on a patient, said system comprising:

- (a) a disposal container separate from and independent of said skin-worn patch device and having an opening therein for receiving said skin-worn patch device;
- (b) an amount of deactivating material in said container which deactivates said abusable substance on contact further comprising:

- (1) carbon in an activated state in a quantity sufficient to bind said ~~opioid~~ abusable substance in said patch;
- (2) carbon that contains an amount of an incorporated species selected from the group consisting of irritating agents, antagonist agents and combinations thereof; and
- (3) wherein said species are releasable from the carbon in (2) upon attempt to solvent extract said abusable substance from the carbon of (1).

and wherein said container is configured such that insertion of said skin-worn patch device properly oriented into said container causes said abusable substance in said skin-worn patch device to contact said deactivating material; and

- (c) closure device for closing said disposal container thereby capturing said skin-worn patch device.

61(previously presented). A system as in claim 60 wherein said container is in the form of a flexible pouch.

62(previously presented). A system as in claim 60 wherein said closure device includes an adhesive seal.

63(previously presented). A system as in claim 61 wherein said closure device includes an adhesive seal.

64(previously presented). A disposal system as in claim 60 wherein said abusable substance is an opioid.

65(previously presented). A system as in claim 64 wherein said opioid includes fentanyl.

66(previously presented). A disposal system as in claim 60 wherein extraction solvents include water, ethanol and combinations thereof.

67(previously presented). A disposal system as in claim 66 wherein said abusable substance is an opioid.

68(previously presented). A disposal pouch for the deactivation of a used opioid transdermal patch comprising:

- (a) an amount of deactivating material further comprising:
 - (1) carbon in an activated state in a quantity sufficient to bind said opioid in said patch;
 - (2) carbon that contains an amount of an incorporated species selected from the group consisting of irritating agents, antagonist agents and combinations thereof; and
 - (3) wherein said species are releasable from the carbon in (2) upon attempt to solvent extract said opioid from the carbon of (1).

69(new). A method for reducing potential for substance abuse in skin-worn transdermal patch devices containing residual amounts of abusable substances of interest after removal from a first user comprising steps of:

- (a) providing an amount of a deactivating material in a container separate from said patch device;
- (b) causing said abusable substance of interest that remains in a patch device as removed from a first user to contact said anti-abuse substance in said separate container; and
- (c) wherein said deactivating material is selected from the group consisting of binding agents which immobilize and deactivate said abusable substance, co-soluble antagonists, irritants and combinations thereof.

70(new). A method as in claim 69 wherein said separate container is a pouch and (b) involves inserting a removed patch properly oriented into the pouch.

71(new). A method as in claim 70 wherein said abusable substance is an opioid.

72(new). A method as in claim 71 wherein said deactivating material comprises:

- (a) carbon in an activated state in a quantity sufficient to bind said opioid in said patch, and
- (b) carbon that contains an amount of an incorporated species selected from the group consisting of irritating agents, antagonist agents and combinations thereof; and
- (c) wherein said species is released from the carbon of (b) upon an attempt to solvent extract said opioid from the carbon of (a).

73(new). A method as in claim 70 wherein said anti-abuse substance includes a binding agent that prevents extraction of said abusable substance of interest using a solvent selected from the group consisting of water, ethanol or combinations thereof.

74(new). A method as in claim 70 wherein said anti-abuse substance includes a binding agent that includes activated carbon.

75(new). A method as in claim 71 wherein said abusable drug includes a compound of fentanyl.

76(new). A method as in claim 72 wherein said anti-abuse substance includes an amount of an irritant.

77(new). A method as in claim 72 wherein said anti-abuse substance includes an amount of a co-soluble antagonist.